

## **Advantages, Experiences, Additional Possibilities**

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After 4 years of routinely ranging with 2 kHz to all SLR satellites, day and night, we summarize our experiences with kHz SLR; these are not only (a lot) more data points, but mainly the improved accuracy and stability (both for data and calibration), faster acquisition times, easier tracking for difficult satellites, identifying single retro tracks, significantly reduced laser maintenance work, lower operational costs etc.etc.

In addition, kHz SLR offers a lot more possibilities and chances, like satellite spin measurements, Lidar, Seeing measurements, Time Transfer etc. etc.